

WHAT IS CLAIMED IS:

1. A radio communication apparatus comprising:

a transmitting section for transmitting a request message to a first cell and a second cell;

5 a first combiner for demodulating a first common control channel transmitted from the first cell;

a second combiner for demodulating a second common control channel transmitted from the second cell;

10 a baseband controller for starting said first combiner and said second combiner, and for controlling said combiners into a state in which said combiners can demodulate the first common control channel and the second common control channel simultaneously; and

15 a radio communication controller for receiving a response message to the request message contained in one of the first common control channel and the second common control channel.

2. The radio communication apparatus according to claim 1, wherein said baseband controller starts both said first combiner and said second combiner, when said radio communication
20 controller issues instructions to make cell switching before receiving the response message from the first cell.

3. The radio communication apparatus according to claim 1,
25 wherein the request message is a message that requests reconnection of a dedicated channel, and the response message is a message that specifies a dedicated channel to be reconnected.

4. The radio communication apparatus according to claim 1,
30 wherein the request message is a message that requests switching

from a dedicated channel to the common control channel, and the response message is a message that permits the switching from the dedicated channel to the common control channel.

- 5 5. The radio communication apparatus according to claim 1, wherein the request message is a message that requests cell reselection for making cell switching during communication via the common control channel, and the response message is a message that enables the cell reselection.

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6. A radio communication apparatus comprising:

a transmitting section for transmitting a request message to a first cell and a second cell;

15 a first combiner that is set in a timeshared manner that enables said first combiner to demodulate one of a secondary common control channel received from the first cell and a physical channel containing broadcast information, which channels are transmitted from the first cell;

20 a second combiner that is set in a manner that enables said second combiner to demodulate a secondary common control channel received from the second cell;

25 a baseband controller for setting said first combiner and said second combiner, and for controlling said combiners into a state in which said combiners can demodulate the secondary common control channel received from the first cell and the secondary common control channel received from the second cell simultaneously; and

30 a radio communication controller for receiving a response message to the request message, which response message is contained in one of the secondary common control channel received

from the first cell and the secondary common control channel received from the second cell.

7. The radio communication apparatus according to claim 6,
5 wherein said baseband controller controls into the state in which the secondary common control channel received from the first cell and the secondary common control channel received from the second cell can be demodulated simultaneously, when said radio communication controller issues instructions to make cell
10 switching before receiving the response message from the first cell.

8. The radio communication apparatus according to claim 6,
wherein said baseband controller sets said first combiner in
15 a state that said first combiner can demodulate the physical channel including the broadcast information, when receiving the physical channel containing the broadcast information and the secondary common control channel received from the first cell simultaneously.

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9. The radio communication apparatus according to claim 6,
wherein the request message is a message that requests
reconnection of a dedicated channel, and the response message
is a message that specifies a dedicated channel to be reconnected.

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10. The radio communication apparatus according to claim 6,
wherein the request message is a message that requests switching
from a dedicated channel to the common control channel, and the
response message is a message that permits the switching from
30 the dedicated channel to the common control channel.

11. The radio communication apparatus according to claim 6,
wherein the request message is a message that requests cell
reselection for making cell switching during communication via
5 the common control channel, and the response message is a message
that enables the cell reselection.

12. A receiving method of a common control channel comprising:
a first step of setting a first combiner such that said
10 first combiner can demodulate a first common control channel
transmitted from a first cell;
a second step of transmitting a request message to the first
cell;
a third step of switching a cell that carries out
15 communication from the first cell to a second cell;
a fourth step of setting a second combiner such that said
second combiner can demodulate a second common control channel
transmitted from the second cell;
a fifth step of transmitting a request message to the second
20 cell; and
a sixth step of activating said first combiner and said
second combiner to receive the response message contained in
one of the first and second common control channels, when the
third step is carried out before the response message to the
25 request message is received from the first cell after the second
step.